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END-STAGE RENAL DISEASE
PATIENT PROFILE TABLES

1984

ESRD Systems Branch
Division of Information Analysis

REPORTS

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END-STAGE RENAL DISEASE PATIENT PROFILE TABLES

INTRODUCTION

The Patient Profile Tables present information on persons with end-stage renal disease (ESRD) covered by Medicare. The tables are intended for use by professionals in the renal community and by the Federal Government. These profiles describe:

- The utilization of dialysis and transplantation
- The demographic characteristics of the patients being treated for ESRD
- The types of primary diagnoses (causes of ESRD) most commonly reported
- The causes of death most commonly reported

The data sources used to compile the profiles are listed at the end of the narrative description of each profile. A more detailed description of the data sources can be found in the Appendix. These profiles reflect information as it has been reported to the Health Care Financing Administration and include only those ESRD patients enrolled in the Medicare program. For all profiles, the report period, or profile year, is the full calendar year indicated at the upper right of the page.

Health Care Financing Administration
End-Stage Renal Disease Program Management and Medical Information System

PATIENT PROFILE TABLES

1984

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PATIENT PROFILE TABLE 1

MEDICARE ESRD DIALYSIS PATIENTS

THIS TABLE SHOWS THE NUMBER OF REPORTED MEDICARE ESRD DIALYSIS PATIENTS. PATIENTS ARE CATEGORIZED BY RACE, SEX, AND AGE (AS OF MID-YEAR).

THIS TABLE SHOWS ALL PATIENTS FOR WHOM WE HAVE RECEIVED A REPORT OF CHRONIC DIALYSIS SERVICES PROVIDED AT ANY TIME DURING THE REPORT PERIOD. IT INCLUDES THOSE PATIENTS WHO WERE LIVING AT THE END OF THE REPORT PERIOD AND THOSE PATIENTS WHO WERE LIVING AT THE BEGINNING OF THE REPORT PERIOD BUT EXPIRED PRIOR TO THE END OF THE REPORT PERIOD.

PLEASE NOTE: THESE DATA SHOULD NOT BE CONSTRUED AS AN INDICATION OF DIALYSIS PREVALENCE AT THE END OF THE REPORT PERIOD DUE TO THE FACT THAT SOME PATIENTS MAY HAVE BEEN OFF DIALYSIS BY THAT TIME (THAT IS, MAY HAVE BEEN TRANSPLANTED OR MAY HAVE EXPIRED DURING THE REPORT PERIOD).

SOURCE OF DATA: HEALTH INSURANCE MASTER FILE
FORM HCFA-2742 (ESRD PATIENT HISTORY AND TREATMENT PLAN)
FORM HCFA-2728 (CHRONIC RENAL DISEASE MEDICAL EVIDENCE REPORT)
FORM HCFA-1483 (PROVIDER BILLING FOR MEDICAL AND OTHER HEALTH SERVICES)

PATIENT PROFILE TABLE 1 - MEDICARE ESRD DIALYSIS PATIENTS
NATIONAL DATA

TOTAL PATIENTS		81,475	
		(100%)	
RACE	WHITE	52,645	(65%)
	BLACK	25,146	(31%)
	OTHER	3,111	(4%)
SEX	MALE	43,322	(53%)
	FEMALE	38,153	(47%)
	0-9	321	(0%)
	10-19	1,404	(2%)
	20-29	5,574	(7%)
AGE	30-39	9,895	(12%)
	40-49	11,640	(14%)
	50-59	17,065	(21%)
	60-69	20,466	(25%)
	70 +	15,110	(19%)

*** TOTAL PATIENTS INCLUDES 573 WITH RACE UNKNOWN ***

*** AGE IS COMPUTED AS OF JUNE 30, 1984 ***

PATIENT PROFILE TABLE 2A

MEDICARE ESRD DIALYSIS PATIENTS BY PRIMARY DIAGNOSIS (LIVING)

THIS TABLE SHOWS THE NUMBER OF REPORTED MEDICARE ESRD DIALYSIS PATIENTS, WHO WERE LIVING AT THE END OF THE REPORT PERIOD, BY THE FIVE MOST COMMONLY REPORTED PRIMARY DIAGNOSES (THAT IS, CAUSES OF ESRD), WITH CATEGORIES FOR "ALL OTHERS" AND "NOT REPORTED." PATIENTS ARE CATEGORIZED BY RACE, SEX, AND AGE (AS OF MID-YEAR). THIS TABLE INCLUDES ALL PATIENTS FOR WHOM WE RECEIVED A REPORT OF CHRONIC DIALYSIS SERVICES PROVIDED AT ANY TIME DURING THE REPORT PERIOD.

PLEASE NOTE: SINCE THE ASSIGNMENT CRITERION FOR THIS TABLE WAS RECEIPT OF DIALYSIS SERVICES AT ANY TIME DURING THE REPORT PERIOD, THE SAME PATIENT COULD APPEAR BOTH IN THIS TABLE AND IN PATIENT PROFILE TABLE 4 (MEDICARE ESRD TRANSPLANT PATIENTS BY PRIMARY DIAGNOSIS).

SOURCE OF DATA: HEALTH INSURANCE MASTER FILE
FORM HCFA-2742 (ESRD PATIENT HISTORY AND TREATMENT PLAN)
FORM HCFA-2728 (CHRONIC RENAL DISEASE MEDICAL EVIDENCE REPORT)
FORM HCFA-1483 (PROVIDER BILLING FOR MEDICAL AND OTHER HEALTH SERVICES)

PATIENT PROFILE TABLE 2A - MEDICARE ESRD DIALYSIS PATIENTS BY PRIMARY DIAGNOSIS - LIVING

NATIONAL DATA

		1	2	3	4	5	6	7	TOTAL PATIENTS	
PRIMARY DIAGNOSIS		15,183 (22%)	13,992 (20%)	11,003 (16%)	4,782 (7%)	3,326 (5%)	7,233 (11%)	12,964 (19%)	68,483 (100%)	
RACE	WHITE	10,848	6,312	6,942	4,156	2,531	5,003	7,538	43,430	(63%)
	BLACK	3,538	7,290	3,463	502	587	1,884	4,619	21,883	(32%)
	OTHER	738	322	560	102	89	309	599	2,719	(4%)
SEX	MALE	8,822	8,012	5,287	2,403	1,601	3,523	6,680	36,328	(53%)
	FEMALE	6,361	5,980	5,716	2,379	1,725	3,710	6,284	32,155	(47%)
AGE	0-9	81	7	4	82	21	70	36	301	(0%)
	10-19	498	44	9	200	128	231	255	1,365	(2%)
	20-29	1,820	373	586	332	318	804	1,055	5,288	(8%)
	30-39	2,822	1,327	1,700	543	477	977	1,552	9,145	(13%)
	40-49	2,380	2,055	1,647	819	353	919	2,394	10,567	(15%)
	50-59	2,772	2,957	2,764	1,362	580	1,296	3,159	14,890	(22%)
	60-69	2,922	3,892	2,991	1,180	816	1,622	2,973	16,396	(24%)
	70 +	2,088	3,437	1,302	464	813	1,314	1,110	10,528	(15%)

*** TOTAL PATIENTS INCLUDES 451 WITH RACE UNKNOWN ***

*** AGE COMPUTED AS OF JUNE 30, 1984 ***

KEY: 1 = GLOMERULONEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS
 2 = HYPERTENSION WITH HEART AND RENAL DISEASES
 3 = DIABETES MELLITUS WITH OTHER COMPLICATIONS
 4 = CONGENITAL ANOMALIES
 5 = URINARY SYSTEM DISEASES
 6 = ALL OTHERS
 7 = NOT REPORTED

PATIENT PROFILE TABLE 2B

MEDICARE ESRD DIALYSIS PATIENTS BY PRIMARY DIAGNOSIS (DECEASED)

THIS TABLE SHOWS THE NUMBER OF REPORTED MEDICARE ESRD DIALYSIS PATIENTS, WHO WERE LIVING AT THE BEGINNING OF THE REPORT PERIOD BUT EXPIRED PRIOR TO THE END OF THE REPORT PERIOD, BY THE FIVE MOST COMMONLY REPORTED PRIMARY DIAGNOSES (THAT IS, CAUSES OF ESRD), WITH CATEGORIES FOR "ALL OTHERS" AND "NOT REPORTED." PATIENTS ARE CATEGORIZED BY RACE, SEX, AND AGE (AS OF MID-YEAR). THIS TABLE INCLUDES ALL PATIENTS FOR WHOM WE RECEIVED A REPORT OF CHRONIC DIALYSIS SERVICES PROVIDED AT ANY TIME DURING THE REPORT PERIOD.

PLEASE NOTE: SINCE THE ASSIGNMENT CRITERION FOR THIS TABLE WAS RECEIPT OF DIALYSIS SERVICES AT ANY TIME DURING THE REPORT PERIOD, THE SAME PATIENT COULD APPEAR IN BOTH THIS TABLE AND IN PATIENT PROFILE TABLE 4 (MEDICARE ESRD TRANSPLANT PATIENTS BY PRIMARY DIAGNOSIS).

SOURCE OF DATA: HEALTH INSURANCE MASTER FILE
FORM HCFA-2742 (ESRD PATIENT HISTORY AND TREATMENT PLAN)
FORM HCFA-2728 (CHRONIC RENAL DISEASE MEDICAL EVIDENCE REPORT)
FORM HCFA-2746 (ESRD DEATH NOTIFICATION)
FORM HCFA-1483 (PROVIDER BILLING FOR MEDICAL AND OTHER HEALTH SERVICES)

PATIENT PROFILE TABLE 2B - MEDICARE ESRD DIALYSIS PATIENTS BY PRIMARY DIAGNOSIS - DECEASED

NATIONAL DATA

		1	2	3	4	5	6	7	TOTAL PATIENTS	
TOTAL PATIENTS BY PRIMARY DIAGNOSIS		1,926 (15%)	3,041 (23%)	2,974 (23%)	440 (3%)	544 (4%)	1,484 (11%)	2,583 (20%)	12,992 (100%)	
RACE	WHITE	1,515	1,927	2,133	396	447	1,140	1,657	9,215	(71%)
	BLACK	342	1,042	681	36	81	292	789	3,263	(25%)
	OTHER	53	58	146	4	11	37	83	392	(3%)
SEX	MALE	1,162	1,730	1,402	225	320	810	1,345	6,994	(54%)
	FEMALE	764	1,311	1,572	215	224	674	1,238	5,998	(46%)
AGE	0-9	8		1	5		2	4	20	(0%)
	10-19	9		1			14	9	39	(0%)
	20-29	57		73	13	5	46	65	286	(2%)
	30-39	115	21	247	12	17	83	108	747	(6%)
	40-49	148	154	343	37	35	122	234	1,073	(8%)
	50-59	298	396	626	113	63	229	450	2,175	(17%)
	60-69	584	905	1,000	144	139	433	865	4,070	(31%)
70 +		707	1,500	633	115	274	555	798	4,582	(35%)

*** TOTAL PATIENTS INCLUDES 122 WITH RACE UNKNOWN ***

*** AGE COMPUTED AS OF JUNE 30, 1984 ***

KEY: 1 = GLOMERULONEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS
 2 = HYPERTENSION WITH HEART AND RENAL DISEASES
 3 = DIABETES MELLITUS WITH OTHER COMPLICATIONS
 4 = CONGENITAL ANOMALIES
 5 = URINARY SYSTEM DISEASES
 6 = ALL OTHERS
 7 = NOT REPORTED

DHHS/HCFA/BDMS

PATIENT PROFILE TABLE 3

NEWLY DIAGNOSED MEDICARE ESRD PATIENTS BY PRIMARY DIAGNOSIS

THIS TABLE SHOWS THE NUMBER OF REPORTED PATIENTS WHO WERE DIAGNOSED DURING THE REPORT PERIOD AS HAVING ESRD, WHO BECAME ENTITLED TO MEDICARE, AND FOR WHOM WE HAVE RECEIVED A REPORT OF CHRONIC DIALYSIS OR KIDNEY TRANSPLANT. THIS INFORMATION IS DISPLAYED BY THE FIVE MOST COMMONLY REPORTED DIAGNOSES (THAT IS, CAUSES OF ESRD). CATEGORIES FOR "ALL OTHERS" AND "NOT REPORTED" ARE ALSO INCLUDED. PATIENTS ARE CATEGORIZED BY RACE, SEX, AND AGE (AS OF MID-YEAR). THIS TABLE CONTAINS THOSE NEW PATIENTS WHO WERE LIVING AT THE END OF THE REPORT PERIOD AND THOSE NEW PATIENTS WHO WERE LIVING AT THE BEGINNING OF THE REPORT PERIOD BUT EXPIRED PRIOR TO THE END OF THE REPORT PERIOD.

PLEASE NOTE: THESE DATA CANNOT BE CONSTRUED AS A CONCLUSIVE MEASURE OF THE INCIDENCE OF ESRD BECAUSE THEY DO NOT INCLUDE NEWLY DIAGNOSED PATIENTS WHO (1) ARE IN THE VETERANS ADMINISTRATION SYSTEM (2) ARE UNENTITLED (THAT IS, APPROXIMATELY 7 TO 10 PERCENT DO NOT QUALIFY FOR MEDICARE ESRD BENEFITS), OR (3) EXPIRE BEFORE THE 3-MONTH WAITING PERIOD ENDS AND THUS NEVER BECOME ENTITLED TO MEDICARE.

SOURCE OF DATA: HEALTH INSURANCE MASTER FILE
FORM HCFA-2742 (ESRD PATIENT HISTORY AND TREATMENT PLAN)
FORM HCFA-2728 (CHRONIC RENAL DISEASE MEDICAL EVIDENCE REPORT)
FORM HCFA-2745-U3 (ESRD TRANSPLANT INFORMATION FORM)
FORM HCFA-2746 (ESRD DEATH NOTIFICATION)
FORM HCFA 1483 (PROVIDER BILLING FOR MEDICAL AND OTHER HEALTH SERVICES)

PATIENT PROFILE TABLE 3 - NEWLY-DIAGNOSED MEDICARE ESRD PATIENTS BY PRIMARY DIAGNOSIS
NATIONAL DATA

		P R I M A R Y D I A G N O S I S						TOTAL PATIENTS	
		1	2	3	4	5	6	7	
TOTAL PATIENTS BY PRIMARY DIAGNOSIS		3,978 (21%)	4,335 (23%)	4,594 (25%)	990 (5%)	690 (4%)	1,974 (11%)	2,159 (12%)	18,720 (100%)
RACE	WHITE	2,954	2,459	3,182	859	593	1,486	1,395	12,928 (69%)
	BLACK	831	1,765	1,196	108	85	403	578	4,966 (27%)
	OTHER	190	108	214	23	11	84	126	756 (4%)
SEX	MALE	2,364	2,577	2,202	553	385	1,036	1,230	10,347 (55%)
	FEMALE	1,614	1,758	2,392	437	305	938	929	8,373 (45%)
AGE	0-9	36	2	2	55	6	24	51	176 (1%)
	10-19	173	22	5	81	37	64	100	482 (3%)
	20-29	458	114	288	89	59	179	223	1,410 (8%)
	30-39	560	287	651	92	41	190	316	2,139 (11%)
	40-49	516	453	629	167	48	197	350	2,360 (13%)
	50-59	615	655	1,013	224	67	321	524	3,419 (18%)
	60-69	821	1,256	1,310	169	184	499	424	4,663 (25%)
	70 +	799	1,544	696	113	248	500	171	4,071 (22%)

*** THIS TABLE CONTAINS ONLY THOSE PATIENTS WHO SURVIVE TO BECOME MEDICARE ESRD ENTITLED ***

*** TOTAL PATIENTS INCLUDES 70 WITH RACE UNKNOWN ***

KEY: 1 = GLOMERULONEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS
 2 = HYPERTENSION WITH HEART AND RENAL DISEASES
 3 = DIABETES MELLITUS WITH OTHER COMPLICATIONS
 4 = CONGENITAL ANOMALIES
 5 = URINARY SYSTEM DISEASES
 6 = ALL OTHERS
 7 = NOT REPORTED

DHHS/HCFA/8DMS

PATIENT PROFILE TABLE 4

MEDICARE ESRD TRANSPLANT PATIENTS BY PRIMARY DIAGNOSIS

THIS TABLE SHOWS THE NUMBER OF REPORTED MEDICARE ESRD TRANSPLANT PATIENTS BY THE FIVE MOST COMMONLY REPORTED PRIMARY DIAGNOSES (THAT IS, CAUSES OF ESRD), WITH CATEGORIES FOR "ALL OTHERS" AND "NOT REPORTED." PATIENTS ARE CATEGORIZED BY RACE, SEX, AND AGE (AS OF MID-YEAR). THIS TABLE SHOWS ALL PATIENTS FOR WHOM WE RECEIVED A REPORT OF TRANSPLANT OCCURRING AT ANY TIME DURING THE REPORT PERIOD. INCLUDED ARE THOSE PATIENTS WHO WERE LIVING AT THE END OF THE REPORT PERIOD AND THOSE PATIENTS WHO WERE LIVING AT THE BEGINNING OF THE REPORT PERIOD BUT EXPIRED PRIOR TO THE END OF THE REPORT PERIOD.

PLEASE NOTE: SINCE THE ASSIGNMENT CRITERION FOR THIS TABLE WAS RECEIPT OF A TRANSPLANT DURING THE REPORT PERIOD, THE SAME PATIENT COULD APPEAR BOTH IN THIS TABLE AND IN PATIENT PROFILE TABLES 2A OR 2B (MEDICARE ESRD DIALYSIS PATIENTS BY PRIMARY DIAGNOSIS - LIVING AND DECEASED). THE FOLLOWING CAVEATS TO DATA INTERPRETATION SHOULD BE KEPT IN MIND: (1) ALL DEATHS REPORTED IN THIS TABLE ARE NOT NECESSARILY ATTRIBUTABLE TO TRANSPLANTS; AND (2) ALL PATIENTS INCLUDED DO NOT NECESSARILY HAVE FUNCTIONING TRANSPLANTS AT THE END OF THE REPORT PERIOD.

SOURCE OF DATA: HEALTH INSURANCE MASTER FILE
FORM HCFA-2742 (ESRD PATIENT HISTORY AND TREATMENT PLAN)
FORM HCFA-2728 (CHRONIC RENAL DISEASE MEDICAL EVIDENCE REPORT)
FORM HCFA-2745-U3 (ESRD TRANSPLANT INFORMATION FORM)
FORM HCFA-2746 (ESRD DEATH NOTIFICATION)
FORM HCFA-1453 (INPATIENT HOSPITAL AND SKILLED NURSING FACILITY ADMISSION AND BILLING)

PATIENT PROFILE TABLE 4 - MEDICARE ESRD TRANSPLANT PATIENTS BY PRIMARY DIAGNOSIS

NATIONAL DATA

		P R I M A R Y D I A G N O S I S							TOTAL PATIENTS	
		1	2	3	4	5	6	7		
TOTAL PATIENTS BY PRIMARY DIAGNOSIS		1,921 (32%)	643 (11%)	959 (16%)	632 (10%)	255 (4%)	617 (10%)	1,020 (17%)	6,047 (100%)	
RACE	WHITE	1,478	277	836	553	234	474	722	4,584	(76%)
	BLACK	345	343	92	49	18	112	245	1,204	(20%)
	OTHER	98	23	31	20	3	31	50	256	(4%)
SEX	MALE	1,275	466	595	405	114	323	628	3,806	(63%)
	FEMALE	646	177	364	227	141	294	392	2,241	(37%)
AGE	0-9	35			48	8	29	25	145	(2%)
	10-19	171	19	5	93	51	66	89	494	(8%)
	20-29	481	72	191	105	69	161	207	1,286	(21%)
	30-39	547	176	453	84	63	170	245	1,762	(29%)
	40-49	378	191	228	138	36	105	224	1,300	(21%)
	50-59	244	149	94	135	23	66	144	855	(14%)
	60-69	61	34	8	28	6	19	35	191	(3%)
	70 +	4					1	3	8	(0%)

*** TOTAL PATIENTS INCLUDES 30, WITH RACE UNKNOWN ***

KEY: 1 = GLOMERULONEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS
 2 = HYPERTENSION WITH HEART AND RENAL DISEASES
 3 = DIABETES MELLITUS WITH OTHER COMPLICATIONS
 4 = CONGENITAL ANOMALIES
 5 = URINARY SYSTEM DISEASES
 6 = ALL OTHERS
 7 = NOT REPORTED

DHHS/HCFR/BDMS

PATIENT PROFILE TABLE 5A

CURRENT STATUS AND DONOR OF ESRD PATIENTS TRANSPLANTED DURING THE REPORT PERIOD

THIS TABLE SHOWS THE NUMBER OF REPORTED MEDICARE ESRD PATIENTS TRANSPLANTED DURING THE REPORT PERIOD AND THE PATIENT AND GRAFT STATUS AS OF THE END OF THE REPORT PERIOD. PATIENTS ARE CATEGORIZED BY RACE, SEX, AND AGE (AS OF MID-YEAR). A PATIENT IS COUNTED ONLY ONCE, EVEN IF THAT PATIENT RECEIVED MULTIPLE TRANSPLANTS DURING THE REPORT PERIOD. IN THE EVENT THAT A PATIENT DID RECEIVE MULTIPLE TRANSPLANTS DURING THE REPORT PERIOD, THE CURRENT STATUS WILL BE FOR THE MOST RECENT TRANSPLANT.

SOURCE OF DATA: HEALTH INSURANCE MASTER FILE
FORM HCFA-2742 (ESRD PATIENT HISTORY AND TREATMENT PLAN)
FORM HCFA-2728 (CHRONIC RENAL DISEASE MEDICAL EVIDENCE REPORT)
FORM HCFA-2745-U3 (ESRD TRANSPLANT INFORMATION FORM)
FORM HCFA-2746 (ESRD DEATH NOTIFICATION)
FORM HCFA-1453 (INPATIENT HOSPITAL AND SKILLED NURSING FACILITY ADMISSION AND BILLING)
FORM HCFA-1483 (PROVIDER BILLING FOR MEDICAL AND OTHER HEALTH SERVICES)

PATIENT PROFILE TABLE 5B

CURRENT STATUS AND QUANT OF ESRD PATIENTS TRANSPLANTED PRIOR TO THE REPORT PERIOD

THIS TABLE SHOWS THE NUMBER OF REPORTED MEDICARE ESRD PATIENTS TRANSPLANTED PRIOR TO THE REPORT PERIOD AND THE PATIENT AND GRAFT STATUS AS OF THE END OF THE REPORT PERIOD. PATIENTS ARE CATEGORIZED BY RACE, SEX, AND AGE (AS OF MID-YEAR). A PATIENT IS COUNTED ONLY ONCE, EVEN IF THAT PATIENT RECEIVED MULTIPLE TRANSPLANTS PRIOR TO THE REPORT PERIOD. IN THE EVENT THAT A PATIENT DID RECEIVE MULTIPLE TRANSPLANTS PRIOR TO THE REPORT PERIOD, THE CURRENT STATUS WILL BE FOR THE MOST RECENT TRANSPLANT.

SOURCE OF DATA: HEALTH INSURANCE MASTER FILE
FORM HCFA-2742 (ESRD PATIENT HISTORY AND TREATMENT PLAN)
FORM HCFA-2728 (CHRONIC RENAL DISEASE MEDICAL EVIDENCE REPORT)
FORM HCFA-2745 (ESRD TRANSPLANT AND TISSUE TYPING INFORMATION)
FORM HCFA-2745-U3 (ESRD TRANSPLANT INFORMATION FORM)
FORM HCFA-2746 (ESRD DEATH NOTIFICATION)
FORM HCFA-1453 (INPATIENT HOSPITAL AND SKILLED NURSING FACILITY ADMISSION AND BILLING)
FORM HCFA-1483 (PROVIDER BILLING FOR MEDICAL AND OTHER HEALTH SERVICES)

PATIENT PROFILE TABLE 5B - CURRENT STATUS AND DONOR OF ESRD PATIENTS TRANSPLANTED PRIOR TO THE REPORT PERIOD

NATIONAL DATA

P A T I E N T S T A T U S										TOTAL PATIENTS			
		LIVING			DECEASED								
		LRD	FUNCTIONING CAD	TOTAL	LRD	NON-FUNCTIONING CAD	TOTAL	LRD	CAD	TOTAL	LRD	CAD	TOTAL
TOTAL PATIENTS TRANSPLANTED		4,086 (23%)	6,363 (35%)	12,234 (68%)	779 (4%)	3,425 (19%)	4,906 (27%)	159 (1%)	658 (4%)	973 (5%)	5,024 (28%)	10,446 (58%)	18,113 (100%)
RACE	WHITE	3,481	4,816	9,749 (54%)	596	2,183	3,256 (18%)	132	471	726 (4%)	4,209	7,470	13,731 (76%)
	BLACK	403	1,284	1,969 (11%)	148	1,071	1,417 (8%)	21	167	217 (1%)	572	2,522	3,603 (20%)
	OTHER	156	223	427 (2%)	31	156	213 (1%)	4	19	27 (0%)	191	398	667 (4%)
SEX	MALE	2,488	4,094	7,663 (42%)	499	2,165	3,060 (17%)	101	425	628 (3%)	3,088	6,684	11,351 (63%)
	FEMALE	1,598	2,269	4,571 (25%)	280	1,260	1,846 (10%)	58	233	345 (2%)	1,936	3,762	6,762 (37%)
AGE	0-9	108	56	173 (1%)	18	28	49 (0%)	3	4	8 (0%)	129	88	230 (1%)
	10-19	373	285	724 (4%)	76	218	332 (2%)	5	17	23 (0%)	454	520	1,079 (6%)
	20-29	1,174	1,192	2,630 (15%)	242	668	1,058 (6%)	22	72	105 (1%)	1,438	1,932	3,793 (21%)
	30-39	1,346	1,897	3,776 (21%)	221	990	1,413 (8%)	51	176	256 (1%)	1,618	3,063	5,445 (30%)
	40-49	635	1,569	2,633 (15%)	128	854	1,148 (6%)	37	174	252 (1%)	800	2,597	4,033 (22%)
	50-59	375	1,097	1,786 (10%)	73	531	714 (4%)	31	144	222 (1%)	479	1,772	2,722 (15%)
	60-69	73	256	481 (3%)	19	131	183 (1%)	10	71	103 (1%)	102	458	767 (4%)
	70 +	2	11	31 (0%)	2	5	9 (0%)			4 (0%)	4	16	44 (0%)

*** TOTAL PATIENTS INCLUDES 112 WITH RACE UNKNOWN ***

*** TOTAL PATIENTS INCLUDES 2,643 WITH DONOR SOURCE UNKNOWN ***

*** AGE IS COMPUTED AS OF JUNE 30, 1984 ***

*** IN THE EVENT THAT A PATIENT RECEIVED MORE THAN ONE TRANSPLANT, THE STATUS REPORTED
WILL BE FOR THE MOST RECENT TRANSPLANT ***

PATIENT PROFILE TABLE 6A

MEDICARE ESRD DIALYSIS PATIENT DEATHS DISTRIBUTED BY CAUSE

THIS TABLE SHOWS THE NUMBER OF REPORTED MEDICARE ESRD DIALYSIS PATIENT DEATHS OCCURRING AT ANY TIME DURING THE REPORT PERIOD, DISPLAYED BY THE FIVE MOST FREQUENTLY REPORTED CAUSES OF DEATH, WITH ADDITIONAL CATEGORIES FOR "ALL OTHERS" AND "NOT REPORTED." PATIENTS ARE CATEGORIZED BY RACE, SEX, AND AGE (AS OF MID-YEAR). THIS TABLE CONTAINS PATIENTS TREATED EXCLUSIVELY WITH DIALYSIS AND THOSE WHO HAD RECEIVED A KIDNEY TRANSPLANT AT SOME TIME IN THE PAST AND HAD RETURNED TO CHRONIC DIALYSIS BEFORE OR DURING THE REPORT PERIOD.

SOURCE OF DATA: HEALTH INSURANCE MASTER FILE
FORM HCFA-2742 (ESRD PATIENT HISTORY AND TREATMENT PLAN)
FORM HCFA-272B (CHRONIC RENAL DISEASE MEDICAL EVIDENCE REPORT)
FORM HCFA-2746 (ESRD DEATH NOTIFICATION)
FORM HCFA-1453 (INPATIENT HOSPITAL AND SKILLED NURSING FACILITY ADMISSION AND BILLING)
FORM HCFA-1483 (PROVIDER BILLING FOR MEDICAL AND OTHER HEALTH SERVICES)

PATIENT PROFILE TABLE 6A - MEDICARE ESRD DIALYSIS PATIENT DEATHS DISTRIBUTED BY CAUSE

		NATIONAL DATA								
		1	2	3	4	5	6	7	TOTAL DEATHS	
TOTAL DEATHS BY CAUSE		2,739 (22%)	1,548 (12%)	904 (7%)	828 (7%)	722 (6%)	3,119 (25%)	2,859 (22%)	12,719 (100%)	
RACE	WHITE	1,958	1,160	592	703	467	2,204	1,939	9,023	(71%)
	BLACK	680	323	275	101	215	785	812	3,191	(25%)
	OTHER	79	41	30	16	27	105	85	383	(3%)
SEX	MALE	1,533	928	438	405	325	1,686	1,507	6,822	(54%)
	FEMALE	1,206	620	466	423	397	1,433	1,352	5,897	(46%)
AGE	0-9	2	1	3			3	8	17	(0%)
	10-19	3	1	5	1	2	14	10	36	(0%)
	20-29	52	15	21	4	7	85	55	247	(2%)
	30-39	124	53	63	31	42	224	134	676	(5%)
	40-49	191	114	73	35	60	260	264	997	(8%)
	50-59	432	284	158	86	120	505	532	2,117	(17%)
	60-69	883	501	301	226	213	1,011	913	4,048	(32%)
	70 +	1,052	579	280	445	278	1,017	930	4,581	(36%)

*** TOTAL PATIENTS INCLUDES 122 WITH RACE UNKNOWN ***

*** AGE IS COMPUTED AS OF JUNE 30, 1984 ***

*** THIS TABLE CONTAINS ALL DIALYSIS PATIENT DEATHS, INCLUDING THOSE WHO RETURNED TO DIALYSIS FROM TRANSPLANT ***

KEY: 1 = CARDIAC
 2 = MYOCARDIAL INFARCTION, ACUTE
 3 = SEPTICEMIA
 4 = WITHDRAWAL FROM DIALYSIS
 5 = CEREBROVASCULAR
 6 = ALL OTHERS
 7 = NOT REPORTED

PATIENT PROFILE TABLE 6B

MEDICARE ESRD TRANSPLANT PATIENT DEATHS DISTRIBUTED BY CAUSE

THIS TABLE SHOWS THE NUMBER OF REPORTED MEDICARE ESRD TRANSPLANT PATIENT DEATHS OCCURRING AT ANY TIME DURING THE REPORT PERIOD, DISPLAYED BY THE FIVE MOST FREQUENT CAUSES OF DEATH, WITH ADDITIONAL CATEGORIES FOR "ALL OTHERS" AND "NOT REPORTED." PATIENTS ARE CATEGORIZED BY RACE, SEX, AND AGE (AS OF MID-YEAR).

SOURCE OF DATA: HEALTH INSURANCE MASTER FILE
FORM HCFA-2742 (ESRD PATIENT HISTORY AND TREATMENT PLAN)
FORM HCFA-2728 (CHRONIC RENAL DISEASE MEDICAL EVIDENCE REPORT)
FORM HCFA-2746 (ESRD DEATH NOTIFICATION)
FORM HCFA-1453 (INPATIENT HOSPITAL AND SKILLED NURSING FACILITY ADMISSION AND BILLING)
FORM HCFA-1483 (PROVIDER BILLING FOR MEDICAL AND OTHER HEALTH SERVICES)

PATIENT PROFILE TABLE 6B - MEDICARE ESRD TRANSPLANT PATIENT DEATHS DISTRIBUTED BY CAUSE

		NATIONAL DATA							TOTAL	
		1	2	3	4	5	6	7	DEATHS	
TOTAL DEATHS BY CAUSE		63 (7%)	62 (7%)	99 (11%)	14 (2%)	34 (4%)	199 (22%)	424 (47%)	895 (100%)	
RACE	WHITE	39	44	73	13	25	139	321	654	(73%)
	BLACK	21	17	24	1	8	53	85	209	(23%)
	OTHER	3	1	2		1	7	17	31	(3%)
SEX	MALE	36	51	60	5	25	121	294	592	(66%)
	FEMALE	27	11	39	9	9	78	130	303	(34%)
AGE	0-9			2		2	3	7	14	(2%)
	10-19	1	1		1	2	6	5	15	(2%)
	20-29	5	4	12	1	5	24	40	89	(10%)
	30-39	20	15	29	5	11	53	90	223	(25%)
	40-49	17	19	26	2	8	53	123	248	(28%)
	50-59	10	14	23	2	7	41	99	196	(22%)
	60-69	10	9	7	2	1	18	56	103	(12%)
	70 +				1		1	4	6	(1%)

*** AGE IS COMPUTED AS OF JUNE 30, 1984 ***

*** THIS TABLE CONTAINS PATIENTS WHO RECEIVED A TRANSPLANT IN ANY YEAR, DID NOT RETURN TO DIALYSIS,

*** AND DIED DURING THE REPORT PERIOD *** UNKNOWN ***

KEY: 1 = CARDIAC
 2 = MYOCARDIAL INFARCTION, ACUTE
 3 = SEPTICEMIA
 4 = WITHDRAWAL FROM DIALYSIS
 5 = CEREBROVASCULAR
 6 = ALL OTHERS
 7 = NOT REPORTED

DHHS/HCFA/BDMS

APPENDIX

ESRD DATA COLLECTION FORMS

The following forms are utilized to gather data for the End-Stage Renal Disease Patient Profile Tables.

Non-Reimbursement Data Collection Forms

- | | |
|--------------|---|
| HCFA-2728 | <u>Chronic Renal Disease Medical Evidence Report.</u> Completed by provider and signed by physician after regularly scheduled course of therapy begins. This form has been revised to incorporate items from the obsolete HCFA-2742, ESRD Patient History and Treatment Plan. |
| HCFA-2745 | <u>ESRD Transplant Tissue Typing Information.</u> Transplant provider completed this form within 2 weeks following transplant. (This form became obsolete on January 1, 1982.) |
| HCFA-2745-U3 | <u>ESRD Transplant Information.</u> Transplant provider completes this form within 2 weeks following transplant. (This form replaced HCFA-2745.) |
| HCFA-2746 | <u>ESRD Death Notification.</u> Primary provider completes this form within 2 weeks of date of death, regardless of location of death. |

Reimbursement Data Collection Forms

- | | |
|-----------|---|
| HCFA-1453 | <u>Inpatient Hospital and Skilled Nursing Facility Admission and Billing.</u> Submitted by the hospital or nursing facility to the intermediary at the end of each billing period (usually monthly) for inpatient services. |
| HCFA-1483 | <u>Provider Billing for Medical and Other Health Services.</u> Submitted by the provider to the intermediary at the end of each billing period (usually monthly or quarterly) for outpatient services. |

APPENDIX

ALGORITHM FOR RETURN TO DIALYSIS DATE FOLLOWING TRANSPLANTATION

The methodology involves a comparison of the hemodialysis regimen of transplanted patients to that of hemodialysis patients who have never been transplanted. Those transplant patients falling, in any particular quarter, within the normal range for the number of hemodialysis sessions of patients never transplanted will be assigned a return to dialysis date corresponding to the mid-point of that quarter.

The normative range, in this case, was determined by computing a frequency distribution for all never-transplanted dialysis patients receiving hemodialysis services after January 1, 1977. In order to eliminate distortions from any erroneous records in the file, 22 and 50 sessions were chosen for this analysis as the lower and upper limits, respectively. The results of this analysis showed a mean number of dialysis sessions of 34.26 and a standard deviation of 6.096. A range of plus or minus two standard deviations from the mean yields a normal range of 22 to 46 sessions. As this range equates statistically to 95 percent of these hemodialysis patients, it was selected as the transition criterion to be used.

Source: National Institutes of Health

APPENDIX

PRIMARY DISEASE CATEGORIES: ESRD PROGRAM MANAGEMENT AND MEDICAL INFORMATION SYSTEM

<u>ICD9CM*</u>	<u>PRIMARY DISEASE NARRATIVE</u>
0170	Lupus
	<u>MALIGNANT NEOPLASMS</u>
189	Cancer of Kidney (Calyx, Hilus and Pelvic)
189	Malignant Neoplasm of Kidney & other unspecified urinary organs
2028	Lymphomas
2030	Multiple Myeloma
	<u>DIABETES MELLITUS and with other complications</u>
2500	Diabetes (unspecified)
2500	Diabetes Mellitus
2500	DM
25000	Diabetes, Adult
25001	JODM
25001	Juvenile Onset Diabetes Mellitus
2504	Diabetes with renal manifestations
2504	Diabetic Glomerulosclerosis
2504	Diabetic Nephropathy
2504	Glomerulosclerosis, Intercapillary
2504	Intercapillary Glomerulosclerosis
2504	Kimmelstiel Wilson Syndrome

*ICD9CM: International Classification of Diseases, 9th Revision, Clinical Modification

ICD9CM*

PRIMARY DISEASE NARRATIVE

METABOLIC DISEASES

2700	Cystinosis, Malignant
2718	Oxalate Nephropathy
2718	Oxalosis
2727	Fabry's Disease
2741	Gouty Nephropathy
2741	Urate Nephropathy
2773	Amyloidosis

BLOOD DISEASES

2826	Sickle Cell Disease
2831	Hemolytic Uremic Syndrome
2870	Henoch-Schonlein Syndrome

HYPERTENSION with Heart and Renal Diseases

4010	Malignant Hypertension
4011	Benign Hypertension
4019	Hypertension
4019	Primary Hypertensive Disease
4019	Essential Hypertension
4030	Nephrosclerosis, Malignant
4030	Hypertensive Renal Disease, Malignant
4031	Nephrosclerosis, Benign
4031	Hypertensive Renal Disease, Benign
4039	Nephrosclerosis
4039	Hypertensive Renal Disease
4039	Arteriolar nephrosclerosis
4040	Hypertensive Heart and Renal Disease, Malignant
4041	Hypertensive Heart and Renal Disease, Benign
4049	Hypertensive Heart and Renal Disease

*ICD9CM: International Classification of Diseases, 9th Revision, Clinical Modification

ICD9CM*PRIMARY DISEASE NARRATIVEARTERIAL DISEASES

4401	Stenosis, Renal Artery
4431	Buerger's (Berger's) Disease
4460	Polyarteritis, Renal
4460	Renal Polyarteritis
4462	Anti-GBN Glomerulonephritis
4462	Anti-Glomerulobasement Membrane Glomerulonephritis
4462	Goodpasture's Disease (Syndrome)
4464	Granulomatosis
4464	Wegener's Granulomatosis
4464	Wegener's Syndrome
4466	Thrombotic Thrombocytopenic Purpura
4466	TTP

5724	Hepatorenal Syndrome
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GLOMERULONEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS

5800	Glomerulonephritis, Acute
5804	Glomerulonephritis, Acute with lesion of rapidly progressive Glomerulonephritis
58089	Acute Interstitial Nephritis
5809	Acute Glomerulonephritis
5809	Acute Glomerulonephritis with unspecified pathological lesion in kidney
5809	Glomerulonephritis, Acute with unspecified pathological lesion in kidney
5811	Focal Glomerulonephritis
5811	Glomerulonephritis, Focal
5811	Focal Glomerulosclerosis with Nephrotic Syndrome
5819	Nephrotic Syndrome
5819	Nephrosis

*ICD9CM: International Classification of Diseases, 9th Revision, Clinical Modification

GLOMERULONEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS (con't)

5821	Focal Glomerulosclerosis
5821	Glomerulosclerosis, Focal
58289	Chronic Interstitial Nephritis
58289	Hereditary Interstitial Nephritis
58289	Interstitial Nephritis, Hereditary
5829	Chronic Glomerulonephritis
5829	Chronic Glomerulonephritis with unspecified pathological lesion in kidney
5829	Glomerulonephritis, Chronic
5829	Glomerulonephritis, Chronic with unspecified pathological lesion in kidney
5830	Proliferative Glomerulonephritis
5830	Radiation Nephritis
5830	Shunt Nephritis
5831	Membranous Glomerulonephritis
5832	Membranoproliferative Glomerulonephritis
5832	Mesangiocapillary Glomerulonephritis
5837	Nephritis or Nephropathy with Renal Medullary lesion
58381	Nephritis and Nephropathy, not specified as acute or chronic, in diseases classified elsewhere
58389	Analgesic Nephropathy
58389	Other Interstitial Nephritis
5839	Glomerulonephritis
5839	GN
5839	Nephritis
5839	Nephritis or Nephropathy
5839	Nephropathy
5845	Nephrotoxins (various) (specify)
5845	Toxic Nephropathy (specify)
586	Renal Failure, Unspecified
587	Glomerulosclerosis
589	Small Kidney of Unknown Cause

*ICD9CM: International Classification of Diseases, 9th Revision, Clinical Modification

ICD9CM*PRIMARY DISEASE NARRATIVEURINARY SYSTEM DISEASES

5900	Chronic Pyelonephritis
5900	Pyelonephritis, Chronic
59080	Pyelonephritis, Unspecified
59080	Necrosis, Renal (Gangrene)
5909	Infections of Kidney
591	Hydronephrosis
5920	Calculi (Renal)
5929	Calculi (Urinary)
5920	Nephrolithiasis
59381	Thrombosis Renal Artery
599	Obstructive Uropathy, Acquired
599	Urinary Obstruction (specify)
599	Uropathy, Acquired (Obstructive)

600	Hyperplasia of Prostate
6393	Chronic Uremia
6393	Uremia
6462	Renal Failure (in pregnancy, childbirth, puerperium)
6954	Lupus Erythematosus

*ICD9CM: International Classification of Diseases, 9th Revision, Clinical Modification

ICD9CM*PRIMARY DISEASE NARRATIVEDISEASES OF CONNECTIVE TISSUES

7100	SLE
7100	Systemic Lupus Erythematosus
7101	Lupus Nephritis
7101	Scleroderma
7101	Scleroderma

7140	Rheumatoid Arthritis
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CONGENITAL ANOMALIES

753	Congenital Anomalies of Urinary System
753	Renal Agenesis and Dysgenesis
7530	Hypoplasia Kidney Disease
7531	Cystic Kidney Disease
7531	Medullary Cystic Kidney Disease
7531	Multicystic Kidney Disease
7531	Polycystic Kidney Disease
7532	Obstructive defects of renal pelvis, and ureter
7533	Calculi Renal, Congenital
7533	Obstructive Uropathy, Congenital
7533	Uropathy, Congenital (Obstructive)
7539	Dysplasia (Anomaly) of Kidney
7598	Alport's Syndrome

*ICD9CM: International Classification of Diseases, 9th Revision, Clinical Modification

ICD9CM*PRIMARY DISEASE NARRATIVE

7999

Etiology Unknown

7999

Unknown, Etiology

9654

Aromatic Analgesics, Phenacetin (Acetophenetidin)

9659

Analgesic Abuse (specify)

9968

Rejection, Transplant

Collagen Vascular Disease***

*ICD9CM: International Classification of Diseases, 9th Revision, Clinical Modification

***Collagen Vascular Disease is an unacceptable narrative entry on form HCFA 2728-U4. Collagen Vascular Disease represents one of several conditions (or diseases) in which collagen tissue is involved. The specific condition (or disease) narrative is what must be entered and coded on this form.

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